

STATE OF IDAHO
Department of Fish and Game

Joseph C. Greenley, Director

Quarterly Project Progress Report

UPPER SALMON RIVER
CHINOOK SALMON REARING PONDS

Project No. 88E25033

Contract No. 03-6-208-35444

Period Covered: July 1 to September 30, 1977

Columbia River Fisheries Development Program

February, 1978

Upper Salmon River Chinook Salmon Rearing Ponds

Adult Return and Fish Collection

Chinook salmon were trapped and held at the Idaho Power Company facilities on the Pahsimeroi River. Fish arrived at the weir from May 20 to September 30. Differentiation between spring and summer run fish has been difficult during the life of this project. Some of the early arriving fish were undoubtedly spring Chinook.

Pertinent data for the run was as follows:

	<u>Jacks</u>	<u>Age 4₂</u>	<u>Age 5₂</u>	<u>Total</u>
Males	7	86	243	336
Females	<u>--</u>	<u>29</u>	<u>193</u>	<u>222</u>
Total	7	115	436	558

Twenty-five percent pre-spawning mortality occurred. Adults were inoculated with erythromycin phosphate to curtail kidney disease. One LV clipped fish from the 1974 brood year returned to the station.

Egg Taking

Spawning was done from September 6 to September 30. We took 901,410 eggs And eyed-up 763,810 (84.7%). There were an average of 5,151 eggs per female. The eyed eggs were transferred to Mackay Hatchery for early rearing.

Prepared by:

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Summary of operations, Pahsimeroi River summer Chinook propagation project.

Brood year	Eggs Taken	Time of release	Number released	Size	Number Marked	Mark	Jacks	Estimated adult returns		Percent Return
								2-ocean	3-ocean	
1969	464,150	May, 1970	393,840	40/lb. 102 mm	-0-	--				
1970	443,772	May, 1971	252,071	49/lb.	50,500	RV	0 (1972)	75 (1973)	70 (1974)	0.058
1971	356,628	May, 1972	102,000	46/lb.	52,000	LV ½ An	0 (1973)	25 (1974)	33 (1975)	0.057
		Sept., 1972	129,182	11/lb.	46,000	RV ½ An	11 (1974)	6 (1975)	0 (1976)	0.013
1972	383,000	May, 1973	217,000	50/lb.	30,000	RV	22 (1974)	22 (1975)	32 (1976)	0.035
1973	496,860	May, 1974	330,037	41/lb.	-0-	--	4 (1975)	189 (1976)	436 (1977)	0.191
1974	219,000	May, 1974	114,560	40/lb. 104 mm	25,000	LV	53 (1976)	115 (1977)	(1978)	
1975	249,546	May, 1976					7 (1977)	(1978)	(1979)	